

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) Process ~~A process~~ for the early detection of reactor fouling occurring during a gas phase polymerisation of olefin(s) using a fluidized bed reactor ~~comprising~~ having a fluidization grid, characterised in that the ~~comprising~~ fitting an upper part of the fluidization grid is ~~fitted~~ with devices capable of detecting ~~[[the]]~~ polymer agglomerates hitting said devices and giving an indicative signal thereof, said devices being automatically resettable to allow a device to give a further signal in case of another encounter with an agglomerate hitting said device.

2. (Currently amended) Process according to claim 1 wherein the devices comprise detection switches which protrude through the grid and ~~which gives~~ an give the indicative signal of the presence of agglomerates on the grid.

3. (Cancelled).

4. (Currently amended) Process according to ~~any of the preceding~~ claims claim 1 wherein the devices are ~~[[of a]]~~ mechanical, electrical, electromechanical or pneumatic ~~[[type]]~~ devices, or a combination of one or more ~~of the said types thereof.~~

5. (Currently amended) Process according to claim 4 wherein the devices are electromechanical devices.

6. (Currently amended) Process according to ~~any of the preceding~~ claims claim 1 wherein the fluidized bed reactor is cylindrical and ~~comprises a the~~ fluidization grid ~~[[which]]~~ is a disc having a diameter ~~comprised of~~ between 2 and 7 m.

7. (Currently amended) Process according to ~~any of the preceding~~  
~~claims~~ claim 1 wherein the fluidization grid is fitted with at least ~~[[4]]~~ four devices  
capable of detecting the polymer agglomerates.

8. (Cancelled).